

Title (en)

INDUCTOR HAVING HIGH CURRENT COIL WITH LOW DIRECT CURRENT RESISTANCE

Title (de)

INDUKTOR MIT HOCHSTROMSPULE MIT NIEDRIGEM GLEICHSTROMWIDERSTAND

Title (fr)

BOBINE D'INDUCTANCE COMPRENANT UNE BOBINE À COURANT ÉLEVÉ PRÉSENTANT UNE FAIBLE RÉSISTANCE AU COURANT CONTINU

Publication

**EP 3507816 A4 20200226 (EN)**

Application

**EP 17847450 A 20170830**

Priority

- US 201662382182 P 20160831
- US 2017049332 W 20170830

Abstract (en)

[origin: US2018061547A1] An inductor and method for making the same are provided. The inductor includes a coil formed from a conductor and having a serpentine shape. The coil may have an "S"-shape. The coil has two leads extending from opposite ends of the coil. An inductor body surrounds the coil and portions of the leads. The leads may be wrapped around the body to create contact points on the exterior of the inductor.

IPC 8 full level

**H01F 27/28** (2006.01); **H01F 5/00** (2006.01); **H01F 17/04** (2006.01); **H01F 27/00** (2006.01); **H01F 27/29** (2006.01); **H01F 27/30** (2006.01); **H01F 38/14** (2006.01)

CPC (source: CN EP KR US)

**H01F 17/00** (2013.01 - CN); **H01F 17/0013** (2013.01 - KR); **H01F 17/04** (2013.01 - EP KR US); **H01F 27/24** (2013.01 - US); **H01F 27/255** (2013.01 - KR US); **H01F 27/28** (2013.01 - US); **H01F 27/2804** (2013.01 - KR US); **H01F 27/2828** (2013.01 - CN); **H01F 27/2852** (2013.01 - CN EP KR US); **H01F 27/292** (2013.01 - CN EP KR US); **H01F 27/306** (2013.01 - EP KR US); **H01F 41/0246** (2013.01 - US); **H01F 41/04** (2013.01 - CN US); **H01F 41/041** (2013.01 - KR US); **H01F 2017/0073** (2013.01 - KR); **H01F 2027/2857** (2013.01 - EP KR)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DOCDB simple family (application)

**US 201715692134 A 20170831**; CA 3035547 A 20170830; CN 201780066826 A 20170830; CN 202310385022 A 20170830; EP 17847450 A 20170830; JP 2019512201 A 20170830; JP 2022161470 A 20221006; KR 20197009249 A 20170830; KR 20227038405 A 20170830; MX 2019002447 A 20170830; TW 106129761 A 20170831; TW 111103993 A 20170831; US 2017049332 W 20170830; US 201916289109 A 20190228; US 202017106718 A 20201130